

11 September, 2003

Bruce Lewis  
Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
Sacramento, CA 95833

RE: Aerojet RI/FS  
Work Order: P308592

Enclosed are the results of analyses for samples received by the laboratory on 08/27/03 10:21. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angelee Cari  
Project Manager

CA ELAP Certificate #2374

Environmental Resources Management  
2525 Natomas Park Drive, Suite 350  
Sacramento CA, 95833Project: Aerojet RI/FS  
Project Number: N/A  
Project Manager: Bruce LewisP308592  
**Reported:**  
09/11/03 11:04**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
10D-SNS10	P308592-01	Soil	08/27/03 08:45	08/27/03 10:21
10D-SNS28	P308592-02	Soil	08/27/03 08:55	08/27/03 10:21
10D-SNS36	P308592-03	Soil	08/27/03 09:20	08/27/03 10:21

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P308592  
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## Polychlorinated Biphenyls by EPA Method 8082

### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>10D-SNS10 (P308592-01) Soil    Sampled: 08/27/03 08:45    Received: 08/27/03 10:21</b>									
<b>C-01, C-06</b>									
PCB-1016	ND	33	ug/kg	1	3090039	09/03/03	09/04/03	EPA 8082	
PCB-1221	ND	33	"	"	"	"	"	"	
PCB-1232	ND	33	"	"	"	"	"	"	
PCB-1242	ND	33	"	"	"	"	"	"	
PCB-1248	ND	33	"	"	"	"	"	"	
PCB-1254	ND	33	"	"	"	"	"	"	
<b>PCB-1260</b>	<b>79</b>	33	"	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		73 %	46-115		"	"	"	"	
<b>10D-SNS28 (P308592-02) Soil    Sampled: 08/27/03 08:55    Received: 08/27/03 10:21</b>									
<b>C-01, C-06</b>									
PCB-1016	ND	33	ug/kg	1	3090039	09/03/03	09/04/03	EPA 8082	
PCB-1221	ND	33	"	"	"	"	"	"	
PCB-1232	ND	33	"	"	"	"	"	"	
PCB-1242	ND	33	"	"	"	"	"	"	
PCB-1248	ND	33	"	"	"	"	"	"	
PCB-1254	ND	33	"	"	"	"	"	"	
<b>PCB-1260</b>	<b>160</b>	33	"	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		70 %	46-115		"	"	"	"	
<b>10D-SNS36 (P308592-03) Soil    Sampled: 08/27/03 09:20    Received: 08/27/03 10:21</b>									
<b>C-01, C-06</b>									
PCB-1016	ND	33	ug/kg	1	3090039	09/03/03	09/04/03	EPA 8082	
PCB-1221	ND	33	"	"	"	"	"	"	
PCB-1232	ND	33	"	"	"	"	"	"	
PCB-1242	ND	33	"	"	"	"	"	"	
PCB-1248	ND	33	"	"	"	"	"	"	
PCB-1254	ND	33	"	"	"	"	"	"	
<b>PCB-1260</b>	<b>660</b>	33	"	"	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		76 %	46-115		"	"	"	"	

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09/11/03 11:04

## Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 3090039 - EPA 3550A

**Blank (3090039-BLK1)** Prepared: 09/03/03 Analyzed: 09/04/03 **C-01, C-06**

PCB-1016	ND	33	ug/kg							
PCB-1221	ND	33	"							
PCB-1232	ND	33	"							
PCB-1242	ND	33	"							
PCB-1248	ND	33	"							
PCB-1254	ND	33	"							
PCB-1260	ND	33	"							
Surrogate: Decachlorobiphenyl	59.8		"	66.7		90	46-115			

**Laboratory Control Sample (3090039-BS1)** Prepared: 09/03/03 Analyzed: 09/04/03 **C-01, C-06**

PCB-1016	319	33	ug/kg	333		96	57-115			
PCB-1260	349	33	"	333		105	71-120			
Surrogate: Decachlorobiphenyl	67.1		"	66.7		101	46-115			

**Matrix Spike (3090039-MS1)** Source: P308592-01 Prepared: 09/03/03 Analyzed: 09/04/03 **C-01, C-06**

PCB-1016	285	33	ug/kg	333	ND	86	57-115			
PCB-1260	375	33	"	333	79	89	71-120			
Surrogate: Decachlorobiphenyl	51.7		"	66.7		78	46-115			

**Matrix Spike Dup (3090039-MSD1)** Source: P308592-01 Prepared: 09/03/03 Analyzed: 09/04/03 **C-01, C-06**

PCB-1016	329	33	ug/kg	333	ND	99	57-115	14	35	
PCB-1260	417	33	"	333	79	102	71-120	11	35	
Surrogate: Decachlorobiphenyl	55.8		"	66.7		84	46-115			

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### Notes and Definitions

C-01	To reduce matrix interference, the sample extract has undergone sulfuric acid clean-up, method 3665, which is specific to hydrocarbon contamination.
C-06	To reduce matrix interference, the sample extract has undergone TBA (sulfur) clean-up, method 3660B.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

No 1121

E.T.R. NO:		WORK ORDER NO:						No	
SOURCE SITE NO:		AUGER HOLE NO:							
SAMPLERS (SIGNATURE)									
COC	FIELD	DEPTH	DATE	TIME	TYPE OF	# OF SAMPLE CONTAINERS		REQUESTED SAMPLE ANALYSES	
SAMPLE ID	SAMPLE NO.	(FT.)	MM/DD/YY		CONTAINER			SOIL TYPE (USCS CODE)	
1121 A	100-SNS10	0	08/27/03	0845	253	1		VOLATILE ORGANICS EPA 8240	
1121 B	100-SNS28	0	08/27/03	0855	11	1		BNA's EPA 8270	
1121 C	100-SNS36	0	08/27/03	0920	11	1		METALS EPA 6010	
1121 D			1/1					PERCHLORATE EDL-SW-006	
1121 E			1/1					PCBS	
1121 F			1/1					LABORATORY QA/QC	
1121 G			1/1					REMARKS	
1121 H			1/1					P308592-1	
1121 I			1/1					-2	
1121 J			1/1					-3	
1121 K			1/1						
1121 L			1/1						
1121 M			1/1						
1121 N			1/1						
1121 O			1/1						
1121 P			1/1						
1121 Q			1/1						
TOTALS									
RELINQUISHED BY: (SIGNATURE)		DATE/TIME		RECEIVED BY: (SIGNATURE)		DATE/TIME		TOTAL NO. OF SAMPLE CONTAINERS:	
RELINQUISHED BY: (SIGNATURE)		DATE/TIME		RECEIVED BY: (SIGNATURE)		DATE/TIME		METHOD OF SHIPMENT:	
RELINQUISHED BY: (SIGNATURE)		DATE/TIME		RECEIVED BY: (SIGNATURE)		DATE/TIME		LABORATORY DELIVERED TO:	
COMMENTS:		SAMPLER TO BE ANALYZED AT SEQUOIA ANALYTICAL, CT.							

# SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: 44  
 REC. BY (PRINT) 308592  
 WORKORDER: 308592

DATE Received at Lab: 8-27-93  
 TIME Received at Lab: 1600  
 LOG IN DATE: 8/29/93

(Drinking water) for  
 regulatory purposes: YES/NO  
 (Wastewater) for  
 regulatory purposes: YES/NO

## CIRCLE THE APPROPRIATE RESPONSE

	LAB SAMPLE #	#	CLIENT ID	DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	CONDITION (ETC)
Custody Seal(s)			100-51610	me	3	8-27-93	
			528	↓	↓	↓	
			536				
Chain-of-Custody							
Traffic Reports or							
Packing List:							
Airbill:							
Airbill #:							
Sample Labels:							
Sample IDs:							
Sample Condition:							
Does information on							
custody reports, traffic							
reports and sample							
labels agree?							
Sample received within							
hold time:							
Proper Preservatives							
used:							
Temp Rec. at Lab:							
acceptance range for samples							
quitting thermal pres.: 41/-2°C)							

\* If Circled, contact Project Manager and attach record of resolution.